A.N.A.R.T.S. News Bulletin 1355 for 3rd July 2005.

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Col's Column

Early Electrical Communication.

Early Electrical Communications, United States.
The work of Joseph Henry was of great benefit to early telegraph systems, whether European or American. The first known American to build a telegraph was Samuel Morse. It is claimed, especially in the U.S. that he invented the Telegraph, but as we have seen in this article, working telegraphs were around many years before Morse came onto the scene, the British Railways were equipped with the telegraph for some years before Morse's system was introduced.

Morse was an artist of some note in the U.S. and had almost no knowledge of electrical and other scientific matters. He toured Europe for 3 years and was on his way home by ship in 1832 when a passenger, Dr Charles Jackson demonstrated to him an Electro-Magnet and some other electrical equipment. After the demonstration Morse remarked 'If the presence of electricity can be made visible in any part of the circuit, I see no reason why intelligence may not be transmitted instant -aneously by electricity'. This has always been regarded in the U.S. as epoch making, but the same thought had occurred to many men before him, men such as Ampere, Ronalds, Dyar, Coxe, Barlow and Henry, not to mention men like Cook and Wheatstone. Morse could never come to terms with the possible that he was not the 'Inventor' of the electric telegraph.

Morse learnt from Jackson of the discolouring effect of electricity upon chemically prepared paper, and though Jackson did not actually say so, Morse was led to believe that Jackson was the discoverer of this phenomenon. The idea of sending messages over long distances took over Morse, he gave up painting and on arrival in America he set about constructing a telegraph immediately.

We will have a look at the first apparatus that he constructed next week.

Finally, I can hardly believe it myself but I have received well over 400 logs to date, around 420 would be the figure. I think that many contesters around the World did not send ANARTS their logs in previous years due to our inability to accept logs in Cabrillo format. The number of logs received each day has slackened now, but am still receiving around 5 each day, plus of course their will be more to come in the postal system. It would not

surprise me if we topped 500 logs, which compared
to about 250 for previous years, is amazing. I
have processed around 160 of them so far.

73's Colin VK2CTD

IPS Weekly Solar and Geophysical Report 24/30 Jun.

SUMMARY

Date	24	25	26	27	28	29	30	
10cm flux	77	77	79	77	80	88	103	
AFr index	7	9	6	3	3	4	5	EST
Aaus index	6	9	6	3	3	3	4	EST
T index	19	23	30	26	31	34	36	

Solar flare activity was very low all week.

Geomagnetic activity observed for the Australian
Region was quiet to active on 24th mostly quiet to
unsettled on 25th quiet to unsettled on 26th and
quiet for the remainder of the period.

Southern Australian Ionospheric F2 critical
frequencies were depressed by 25 percent on 24th
near predicted to 20 percent depressed on 25th
near predicted 26/29th and near predicted to 25
percent enhanced on 30th.

Forecast for 1/7th Jul

Solar activity should see conditions expected to
be low with the current regions on the disk only
exhibiting minor growth in sunspot area.

Geomagnetic activity should see unsettled to active
conditions for 1/3rd Jul with possible isolated
minor storm periods due to coronal hole effects
and quiet to unsettled on other days.

Frequencies should be briefly depressed after local dawn
on 2/4th Jul and near predicted monthly values on other
days. No Short Wave Fadeouts are expected.

courtesy of the IPS Radio and Space Services

summary by Pat VK2JPA ANARTS Broadcast Officer

VK2SG RTTY DX NOTES FOR WEEKENDING 30 JUN

Our thanks this week go to W2JGR AA5AU DJ3IW GU0SUP
WX5L UT5RP OH2AQ DXSummit.

Bandpass:

Friday 24

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0018-14081 CY9SS
0752-14082 ES0IC
0904-14080 SU9FL
1101-14086 CU3EQ
1114-14086 I6DHY/0 fer DCI Award PG191,192
1355-14085 4Z17H
1604-14090 9M6/G3OOK
1605-18104 A6/ON5NT
1756-14085 UR5FFV
1929-14082 CO1RG
1956-18100 CY9SS
1958-14086 SU1SK
2107-14088 CT2ILI
2117-14082 ER3ZZ
2122-10133 CY9SS
2222-14086 UR5FFV

Saturday 25
0013-10131- CY9SS
0043-10140 XE1KK
0108-14083 CO1RG
0226-10139 HR1RMG
0543-10140 EA6BH
0715-14080 4Z17H
1005-18105 UR5FFV
1024-24922 UR5FFV
1201-21082 A6/ON5NT
1252-50599 ZC4LI
1309-24922 ZC4LI
1404-18107 ZC4LI
1540-14087 YB5BO
1600-14080 UN7PBY
1725-18101 CY9SS
1742- 7032 4Z17H
1743- 7034 UX1HW
1747- 7038 UR8IF
1757-14081 UX6F
2004-14077 IN6G
2012-14101 SU1SK
2013- 7032 SV9FBK
2042-14087 UV8M

Sunday 26
0221-14081 XU7ABN
0442-14086 FR1HZ
0450-14098 US3QW
0647-28088 EM2U
0703-21087 UR5FFV
0735-21083 EC8AUZ
0736-14082 XU7ABN
0813-14092 US4LPY
0816-14081 UX6F
0818-14085 US4QWX
0828-28089 US9QA
0836-50250 UR5EDU
0956-14082 XU7ABN
1047-14082 UR4CU
1146-50600 ZC4LI
1208-24922 ZC4LI
1238-18107 ZC4LI
1614-18101 TK5IH
1726-14082 XU7ABN
1733-14082 SV8CKP
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1742-14087 CT3IA
1800-14085 CY9SS
2233-14086 CO1RG

Monday 27
0016- 3586 UZ7HO
0833-14081 HB0/N2WB
1123-50600 4X1IF
1154-14083 CY9SS
1207-14082 HB0/K4SV
1213-18102 HB0/N2WB
1309-24905 HB0/K4SV
1332-14088 4X17B
1407-14088 VR2XLN
1555-18104 4X17B
1635-14081 SU1SK
1753-14087 ES0IC
2038-10137 HB0K4SV
2118-14073 CU6YB
2132-14083 HB0/N2WB
2152-14085 CT2ILI
2152-14085 9K2YM
2337-14084 HK4SAN

Tuesday 28
0003-14086 PZ5RA
0011-14086 HK1XX
0025-14086 TI3TEJ
0059-14088 TI8CBT
0150-14087 EA8RA
1105-14083 CY9SS
1240-14078 TI8CBT
1348-14081 TF3GC
1427-14081 KP4ED
1547-14085 CY9SS
1707-14082 JT1CO
1744-14087 A45WD
1934-10103 LX1KC
1950-14082 HB0/SM4FZW
2055-14078 WB6CIF/J6
2119-14087 XQ1VLY
2141-14081 HC1AJQ
2350-14082 CU6YB

Wednesday 29
0013- 7045 HI3TEJ
0014-14080 WB9CIF/J6
0048-14078 TI8CBT
1216-18086 ZC4LI
1240-14080 WB9CIF/J6
1427-14079 TI8CBT
1550-18103 CY9SS
1559-21081 WB9CIF/J6
1629-14083 9M2MT
1736-18107 TI8CBT
1739-21080 EC8AUZ
1751-14082 IM0MBP
1754-18106 OO4DSQ
1857-14083 HB0/SM4FZW
1858-14084 R750FW
1914-14087 CU6NS
2235- 7042 CY9SS
2327-14094 WB9CIF/J6
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2338-14082 TI8CBT
2339-17086 HR1RMG

Thursday 30
0013-14083 HB0/SM4FZW
0102-14082 HR1RMG
0235-14092 T6X
0405-14082 TI8CBT
0443-14086 XE1L
0448-14089 US7MM
0450-14087 FR1HZ
0819-14080 KH6SM
1201-14080 EA8OK
1238-18105 J68AS
1240-18105 WB9CIF/J6
1328-18102 TI8CBT
1341-18104 FR1HZ
1507-14082 T6X Op. Andy RW3AH

Note of interest:

MARIANA ISLAND, KH0. Look for K1FNL/NA8O 7K4QOK/KG8RP JE1KUC/N1KU
active from Saipan from Jul 8/11. They will be on from 40 to 6m
on CW SSB RTTY. QSL OK via JARL Buro or direct.

SWAZILAND, 3DA0. By K5LBU W5KDJ and ZS6JR active respectively
as 3DA0CF 3DA0KDJ 3DA0JR. From 160 to 6m on SSB CW RTTY PSK QRV.
also for IARU Contest from Jul 8/18th.

SABLE ISLAND, CY0. By W8GEX K8LEE and W9IXX they will be active
from 160 to 6m on CW SSB PSK RTTY and also qrv for RSGB IOTA test
from July 27th to Aug 3rd.

You can also subscribe to the digital-dx reflector - send an
email message to majordomo at nifty.ne.jp as follows
Subject: (blank) Message Body: subscribe digital-dx

For next weeks bulletin send your bandpass and notes of
interest to Goetz dj3iw at t-online.de

Gl de (DX2) Luciano I5FLN

The Ohio/Penn DX Bulletin No. 715 - excerpts

BA4/BD4, CHINA (Also VR2)
Jack WB8FSV informs OPDX that he and his family will visit
China again this year staying with his wifes family in
Qingdao China. From Qingdao Jack will operate during his
spare time as WB8FSV/BA4IT and WB8FSV/BD4JV from Jun 28/
Jul 27. From Jul 28 to Aug 1, Jack will be in Hong Kong
and he plans to operate a little from Charlie/VR2XMT's
station as VR2/WB8FSV.

CY9SS, ST. PAUL ISLAND
The CY9SS operation still continues until Jul 7. An update
in the confusion of the VY2SS QSL addresses reported last

is there is no confusion. All three different addresses
for VY2SS are good as reported by the CY9SS operators and
friends of VY2SS. Here are the addresses again:
Ham Call: Robert Robertson, 57 Tranquility Land, Bloomfield,
PE C0B 1E0, Canada
If you want to read about past CY9 operations, visit the
Web page at http://www.stpaulisland.net/amateurexpeditions.html

FO, FRENCH POLYNESIA
Jim WB2REM will be operating from Vahine Island and Bora Bora
(OC-067) as FO/WB2REM from Jul 24 thru Aug 3. Operations will
be on CW SSB and on 40-10m as time permits. QSL via WB2REM.

HI, DOMINICAN REPUBLIC
Franco HB9OAB will be active as HI7/HB9OAB from Punta Cana now
thru Jul 15. Activity will be on 40-10m the WARC bands included.
QSL via his home callsign, direct or by the bureau.

IOTA NEWS

EU-165. Sal IK2MKE will be portable /IM0 between Jul 24 and
Aug 9 from San Macario Island (for the Italian Island Award
CA-012). QSL via the bureau or by the info on (QRZ.com).

EU-189. Details on the recent Rockall Ho 2005 including some
pictures of the rock and the amateur radio operators (David/
MM0ALM and Jim/MM0CWJ) who activated MS0IRC/P are now available
on The Rockall Times Web site at:
http://www.therockalltimes.co.uk/2005/06/20/rockall-triumph.html

NA-NEW
NA-175. Operators Mike/K9AJ and Bruce/KD6WW plan to activate
Nunavut (Kitimeot region) West (NA-NEW) Group and the West
Central Group (NA-175) sometime between Sep 1-7. The exact
dates for each island group will depend on the weather and
solar conditions. Operators will sign VY0/homecall. QSL via
their home callsigns (QRZ.com).

NA-052. The Marco Island Radio Club will be using the special
callsign N4M to celebrate the founding of modern Marco Island
(USI FL-025S and Collier County Florida) Jul 1-10. Activity
will be on 14260 18128 and 21260 kHz. QSL via N1DL Karl Geng
695 Embassy Ct, Marco Island, FL 34145.

NA-066. Tony K1USC will be active as homecall/6 from Santa
Catalina Island (USI CA-016S and Los Angeles County, CA) with
Boy Scout Troop 655 during their summer camp at Emerald Bay
Boy Scout Camp Jul 11-16. Activity will be on 40-6m as time
permits throughout the week. Look for scouts to make some
contacts as part of their requirements for their Radio Merit
badge. QSL via Tony's home callsign, direct or by the bureau.

LIGHTHOUSE ACTIVITY
Alfredo/IK7JWX and some friends will be active as IR7LH/p,
Jul 2-3 from Diga di Forte a Mare (ITA-187) and Castello a
Mare N. Breakwater Head (Green Tower) (ITA-266) lighthouses
on Islola Sant'Andrea (I.I.A. BR005 - Not IOTA). Activity
will also be from Castello Alfonsino o Rosso o a Mare di
Brindisi (DCI BR-001 for the Italian castles award). Activity
will be on all HF bands SSB. QSL via IK7JWX, by the Bureau.

PJ2, NETHERLANDS ANTILLES
Operators Dan/N1ZZ Malcolm/NP2L Scott/W4PA Jeff/K8ND Steve/

N8BJQ Jim/W8WTS Noel/W9EFL Charles/WA9S Jim/W0NB and Leo/S50R
will be active as PJ2T from Signal Point, Curacao, during the
CQ WW DX CW Contest as a Multi/?? entry. QSL via N9AG. Visit
the Caribbean Contesting Consortium at http://www.pj2t.org

V3, BELIZE
Look for Jimmy W6JKV to be active as V31IV between now and
Jul 6. His activity will be mostly on CW on 6m. Europe stations
are to look for him on 50091 kHz and North America stations are
to look for him higher up the band. Jimmy will try to operate EME.

VD2, CANADA (Zone 2)
Pete VE3IKV plans to activate Zone 2 on 6m from Labrador (VO2)
beginning early Jul. He will use the special callsign VD2X. The
purpose of the trip is to investigate high latitude Sporadic-E
propagation on the North American side as it is affected by
proximity to the North Geomagnetic Pole. Special attention
will be paid to multihop transatlantic paths, as well as double
hop to central and western USA/ Canada. His equipment is a
FT-650 and a 5-element K6STI wide spaced portable yagi (10dBd).
Pete will be monitoring CW/SSB during the drive, and if the band
opens up he will switch over to the yagi. QSL via VE3IKV (QRZ.com).
cq cq de vk2tty vk2tty

YK, SYRIA
Saad N5FF will once again be active as YK1BA between Jul 2-16.
He informs OPDX that the purpose of the trip is not a
DXpedition so his operating will be very spotty and not
extensive at all. However he hopes to be able to operate at
least 3-4 hours a day. He thinks that he will limit his
operating to 20m unless the propagation is better on other
bands (80-10m) at the time. His most probable operating times
are between 0100-0400z (Americas and Pacific) between 1900-2200z
and possibly between 1100-1400z (for the rest of the world).
Saad will try to be around 14195 kHz on SSB, and 14045 kHz on
CW. Also, check 14080 kHz for RTTY running split and listening
5-10 kHz up. QSL via N5FF only.

END OF CAST

The Society can be contacted in the following ways:
To Pat VK2JPA via patleeper at optusnet.com.au or
Col VK2CTD via ctdavies at bigpond.net.au or
you can drop a line to P.O. Box 93 Toongabbie, NSW 2146.
73's for this week from Pat VK2JPA Broadcast Officer
NNNN